

**From:** Aram Varjabedian <avarjabedian@woodardcurran.com>  
**Sent:** Monday, September 21, 2015 10:39 AM  
**To:** david.burns@state.ma.us; Turin, David  
**Cc:** Dow, James; Frank Cavaleri; Kevin Stetson  
**Subject:** MA0101231 - Hull WPCF - Aeration system issue

Good Morning:

This email is to inform you, supplemental to the voice messages left this morning, Yesterday, upon arrival at 7am, K. Stetson found the aeration system blower was not on. The blower according to the trends most likely stopped mid Saturday afternoon. No callout occurred due to the fact all data in the blower PLC was frozen at the last value recorded. Blower mode of operation had been in timed mode with cycling on and off periods. Data sent to SCADA was normal looking to the first glance, but the blower was actually not running, and trend charts indicate data was flat-lined for last value seen around 2:30pm on Saturday afternoon.

Air was resumed first thing Sunday morning and the system DO was verified and oxygen levels recovered quickly. An additional inspection was made on Sunday evening to confirm system operation was satisfactory. Microscopic analysis of the MLSS on Sunday, indicated active biomass.

W&C's SCADA group was notified on Sunday, and the technician was dispatched to site this morning, where upon a failed blower system PLC output card was found and this had caused the problem. The card was replaced. Additional fault notification logic is being programmed into the SCADA system to alert personnel, should a similar incident occur again.

The facility has set up to run an effluent composite today on the plant effluent. There was adequate disinfection all day on Sunday, based upon grab samples collected.

Should you have any additional questions, please give me a call.

In advance, thank you for your consideration.

Aram

Aram Varjabedian  
Plant Manager  
Hull Wastewater Treatment Facility  
1111 Nantasket Avenue | Hull, MA 02045  
Phone 781.925.0906 | Fax 781.925.3056 | Cell 339.214.8334  
[www.woodardcurran.com](http://www.woodardcurran.com)



COMMITMENT & INTEGRITY DRIVE RESULTS